IN THE CLAIMS:

Please cancel claim 2 without prejudice.

Kindly amend claims 1, 3 and 6, and add new claim 7 as follows:

1. (Currently Amended) A combine harvester, including a threshing, cleaning and separation system, having:

wheels for propelling the combine harvester over the ground;

an engine driving said wheels via a hydrostatic drive system of a transmission, wherein the transmission includes a gear select lever for changing a gear ratio of the transmission;

a manually operable throttle control switch having a plurality of positions, each position corresponding to a desired engine speed level;

a speed modification switch having a first state and a second state, wherein movement of the gear select lever from a first position to a second position switches the speed modification switch from the first state to the second state and changes the gear ratio; and

an engine control circuit for controlling the speed of said engine, wherein the engine control circuit comprises a programmable microprocessor ~~is~~ connected to receive input from the throttle control switch and the speed modification switch;

said engine control circuit being responsive to input from said throttle control switch and said speed modification switch for selectively controlling said engine to run at a first speed for a given position of said throttle control switch when said speed modification switch is in said first state and to run at a second speed higher than said first

speed when said throttle control switch is in said given position and said speed modification switch is in said second state.

2. (Canceled)

3. (Currently amended) A combine harvester as claimed in claim 1, wherein said ~~engine control circuit comprises a~~ programmable microprocessor compriseshaving:

means for storing a first table holding work speed values, one work speed value corresponding to each position of said throttle control, and a second table holding at least one road speed value greater than any of said work speed values;

means for accessing a work speed value from said first table when said speed modification switch is in said first state and accessing a road speed value from said second table when said speed modification switch is in said second state; and,

means responsive to an accessed ~~a~~ work speed value or road speed value for producing an output signal to control said engine to run at the speed represented by said accessed work speed value or accessed road speed value.

4. (Original) A combine harvester as claimed in claim 3 wherein said table of road speed values includes a road speed value corresponding to each position of said throttle control, the road speed value corresponding to a given position of said throttle control being greater than the work speed value corresponding to said given position of said

throttle control whereby, for each position of said throttle control, said engine may be selectively controlled to run at a first speed or a second speed higher than said first speed, depending on the state of said speed modification switch.

5. (Original) A combine harvester as claimed in claim 3 wherein said output signal controls the rate of fuel flow to said engine.

6. (Previously presented) A combine harvester as claimed in claim 3, wherein the threshing, cleaning and separation system is powered by said engine, and said work speed values are chosen so the output power of said engine does not overload other harvester components to include the threshing, cleaning and separation system.

7. (New) A combine harvester as claimed in claim 3, wherein said work speed values correspond to engine speed values when the combine harvester is operated to harvest a field, and said road speed values correspond to engine speed values when the combine harvester is operated to travel on a roadway.